

Age-related peculiarities of the effect of α -adrenoceptor blockade on cardiac function in rats

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Abstract

Blockade of α 1-adrenoreceptors with prazosin produces bradycardia. The degree of this bradycardia in rats depends on age. In adult (20-week-old) rats bradycardia is pronounced, in 3-week-old rats it is insignificant, and in 1-week-old rats bradycardia does not develop. Prazosin moderates bradycardia induced by vagal stimulation in rats of different age.

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Keywords

α 1-Adrenoreceptors, Heart, Nervous regulation, Rat, Vagus